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(FILE 'HOME' ENTERED AT 18:59:32 ON 12 SEP 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:59:48 ON 12 SEP 2002

L1 2324 S (DNA OR NUCLEIC(W)ACID OR
POLYNUCLEOTIDE) (8A) (GLUTAMYL(W)TRAN
L2 2519017 S DNA OR NUCLEIC(W)ACID OR POLYNUCLEOTIDE
L3 1162011 S GLUTAMYL(W)TRANSPEPTIDASE OR SUPEROXIDE(W)DISMUTASE OR
METALL
L4 6130 S L2(8A)L3
L5 126587 S ADENVIRUS OR ADENOVIRAL OR LIPOSOME OR LIGAND-DNA
L6 43 S L4 AND L5
L7 26 DUP REM L6 (17 DUPLICATES REMOVED)

=> d au ti so 1-26 l7

L7 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Zur Megede, Jan; Barnett, Susan W.; Engelbrecht, Susan; Van Rensburg,
Estrelita Janse
TI Polynucleotides encoding antigenic HIV type C polypeptides, polypeptides
and uses thereof
SO PCT Int. Appl., 233 pp.
CODEN: PIXXD2

L7 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Berlin, Kurt; Piepenbrock, Christian; Olek, Alexander
TI Detection of variations in the DNA methylation profile of genes in the
determining the risk of disease
SO PCT Int. Appl., 636 pp.
CODEN: PIXXD2

L7 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Bennett, Michael J.; Rothman, Stephan S.; Nantz, Michael H.
TI Method for nucleic acid transfection of cells
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2

L7 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Bennett, Michael J.; Rothman, Stephan S.; Nantz, Michael H.
TI Method for nucleic acid transfection of cells using cationic lipid/DNA
complex
SO U.S. Pat. Appl. Publ., 26 pp., Cont.-in-part of U. S. Ser. No. 487,089.
CODEN: USXXCO

L7 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2002 ACS
AU Epperly, Michael W.; Gretton, Joan A.; DeFilippi, Stacy J.; Sikora,
Christine A.; Liggitt, Denny; Koe, Gary; Greenberger, Joel S.
TI Modulation of radiation-induced cytokine elevation associated with
esophagitis and esophageal stricture by manganese superoxide
dismutase-plasmid/**liposome** (SOD2-PL) gene therapy
SO Radiation Research (2001), 155(1, Pt. 1), 2-14
CODEN: RAREAE; ISSN: 0033-7587

L7 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Lukanidin, Eugene
TI Therapeutic compositions and methods using Mts-1 protein for enhancing
angiogenesis

- SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
- L7 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Barnett, Susan; Zur, Megede Jan
TI Polynucleotides encoding antigenic HIV type C Gag- and/or Env-containing polypeptides for AIDS vaccine development
SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2
- L7 ANSWER 8 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU Moriscot, C.; Pattou, F.; Kerr-Conte, J.; Richard, M. J.; Lemarchand, P.; Benhamou, P. Y. (1)
TI Contribution of **adenoviral**-mediated superoxide dismutase gene transfer to the reduction in nitric oxide-induced cytotoxicity on human islets and INS-1 insulin-secreting cells.
SO Diabetologia, (May, 2000) Vol. 43, No. 5, pp. 625-631. print.
ISSN: 0012-186X.
- L7 ANSWER 9 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU Chang, Kyu-Tae; Ikeda, Akihiro; Hayashi, Katsuhiko; Furuhashi, Yasufumi; Bannai, Makoto; Nishihara, Masugi; Ohta, Akihiko; Ogawa, Shyoso; Takahashi, Michio (1)
TI Possible mechanisms for the testis-mediated gene transfer as a new method for producing transgenic animals.
SO Journal of Reproduction and Development, (Feb., 1999) Vol. 45, No. 1, pp. 37-42.
ISSN: 0916-8818.
- L7 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2002 ACS
AU Chang, Kyu-Tae; Ikeda, Akihiro; Hayashi, Katsuhiko; Furuhashi, Yasufumi; Nishihara, Masugi; Ohta, Akihiko; Ogawa, Shyoso; Takahashi, Michio
TI Production of transgenic rats and mice by the testis-mediated gene transfer
SO Journal of Reproduction and Development (1999), 45(1), 29-36
CODEN: JREDEF; ISSN: 0916-8818
- L7 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Gjerset, Ruth A.
TI Down-regulation of DNA repair to enhance sensitivity to p53-mediated suppression in cancer therapy
SO PCT Int. Appl., 88 pp.
CODEN: PIXXD2
- L7 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Troy, Carol M.
TI Peptides and peptidomimetics for prevention of neuronal cell death, and uses thereof
SO PCT Int. Appl., 111 pp.
CODEN: PIXXD2
- L7 ANSWER 13 OF 26 MEDLINE DUPLICATE 1
AU Sawa Y; Kadoba K; Suzuki K; Bai H Z; Kaneda Y; Shirakura R; Matsuda H
TI Efficient gene transfer method into the whole heart through the coronary artery with hemagglutinating virus of Japan **liposome**.
SO JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, (1997 Mar) 113 (3) 512-8; discussion 518-9.
Journal code: 0376343. ISSN: 0022-5223.
- L7 ANSWER 14 OF 26 MEDLINE DUPLICATE 2

AU Chao J; Chao L
 TI Kallikrein gene therapy: a new strategy for hypertensive diseases.
 SO IMMUNOPHARMACOLOGY, (1997 Jun) 36 (2-3) 229-36.
 Journal code: 7902474. ISSN: 0162-3109.

L7 ANSWER 15 OF 26 MEDLINE DUPLICATE 3
 AU Testoni M I; Bolzan A D; Bianchi M S; Bianchi N O
 TI Effects of antioxidants on streptonigrin-induced DNA damage and
 clastogenesis in CHO cells.
 SO MUTATION RESEARCH, (1997 Feb 3) 373 (2) 201-6.
 Journal code: 0400763. ISSN: 0027-5107.

L7 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2002 ACS
 AU Tsukiyama, Tadasuke; Shintani, Mami; Ogawa, Shyoso
 TI Introduction of exogenous gene in mice by injection of DNA-
liposome complex into pronuclei of fertilized ova
 SO Meiji Daigaku Nogakubu Kenkyu Hokoku (1997), 113, 17-27
 CODEN: MDNHA3; ISSN: 0465-6083

L7 ANSWER 17 OF 26 MEDLINE DUPLICATE 4
 AU Walther F J; David-Cu R; Lopez S L
 TI Antioxidant-surfactant **liposomes** mitigate hyperoxic lung injury
 in premature rabbits.
 SO AMERICAN JOURNAL OF PHYSIOLOGY, (1995 Nov) 269 (5 Pt 1) L613-7.
 Journal code: 0370511. ISSN: 0002-9513.

L7 ANSWER 18 OF 26 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU WALTHER F J (Reprint); DAVIDCU R; LOPEZ S L
 TI ANTIOXIDANT SURFACTANT **LIPOSOMES** MITIGATE HYPEROXIC LUNG INJURY
 IN PREMATURE RABBITS
 SO AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY,
 (NOV 1995) Vol. 13, No. 5, pp. L613-L617.
 ISSN: 1040-0605.

L7 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 5
 AU Ogawa, Shyoso; Hayashi, Katsuhiko; Tada, Norihiro; Sato, Masahiro;
 Kurihara, Takashi; Iwaya, Makoto
 TI Gene expression in blastocysts following direct injection of DNA into
 testis
 SO Journal of Reproduction and Development (1995), 41(4), 379-82
 CODEN: JREDEF; ISSN: 0916-8818

L7 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2002 ACS
 AU Onuki, Janice; Medeiros, Marisa H. G.; Bechara, Etelvino J. H.; Di
 Mascio,
 Paolo
 TI 5-Aminolevulinic acid induces single-strand breaks in plasmid pBR322 DNA
 in the presence of Fe²⁺ ions
 SO Biochim. Biophys. Acta (1994), 1225(3), 259-63
 CODEN: BBACAQ; ISSN: 0006-3002

L7 ANSWER 21 OF 26 MEDLINE DUPLICATE 6
 AU Walther F J; David-Cu R; Supnet M C; Longo M L; Fan B R; Bruni R
 TI Uptake of antioxidants in surfactant **liposomes** by cultured
 alveolar type II cells is enhanced by SP-A.
 SO AMERICAN JOURNAL OF PHYSIOLOGY, (1993 Oct) 265 (4 Pt 1) L330-9.
 Journal code: 0370511. ISSN: 0002-9513.

L7 ANSWER 22 OF 26 MEDLINE DUPLICATE 7
 AU Sai K; Umemura T; Takagi A; Hasegawa R; Kurokawa Y

TI The protective role of glutathione, cysteine and vitamin C against
oxidative DNA damage induced in rat kidney by potassium bromate.
SO JAPANESE JOURNAL OF CANCER RESEARCH, (1992 Jan) 83 (1) 45-51.
Journal code: 8509412. ISSN: 0910-5050.

L7 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Brigham, Kenneth L.
TI Method of in vivo delivery of functional foreign genes
SO PCT Int. Appl., 17 pp.
CODEN: PIXXD2

L7 ANSWER 24 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU TANSWELL A K; OLSON D M; FREEMAN B A
TI **LIPOSOME**-MEDIATED AUGMENTATION OF ANTIOXIDANT DEFENSES IN FETAL
RAT PNEUMOCYTES.
SO AM J PHYSIOL, (1990) 258 (4 PART 1), L165-L172.
CODEN: AJPHAP. ISSN: 0002-9513.

L7 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2002 ACS
IN Awaya, Akira; Kobayashi, Akira; Ishizuka, Yusaku; Abe, Hayao; Nomura,
Yasuyuki
TI Nonan peptide thymic serum factor derivatives as antiaging drugs
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF

L7 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2002 ACS
AU Miroshnichenko, O. I.; Ponomareva, T. I.; Tikhonenko, T. I.
TI Inhibition of adenovirus 5 replication in COS-1 cells by antisense RNAs
against the viral Ela region
SO Gene (1989), 84(1), 83-9
CODEN: GENED6; ISSN: 0378-1119

=> d bib ab 21-26 17

L7 ANSWER 21 OF 26 MEDLINE DUPLICATE 6
AN 94056788 MEDLINE
DN 94056788 PubMed ID: 8238367
TI Uptake of antioxidants in surfactant **liposomes** by cultured
alveolar type II cells is enhanced by SP-A.
AU Walther F J; David-Cu R; Supnet M C; Longo M L; Fan B R; Bruni R
CS Department of Pediatrics, Drew University College of Medicine, University
of California, Los Angeles 90024.
NC GI2 RRO 302607 (NCRR)
SO AMERICAN JOURNAL OF PHYSIOLOGY, (1993 Oct) 265 (4 Pt 1) L330-9.
Journal code: 0370511. ISSN: 0002-9513.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199312
ED Entered STN: 19940117
Last Updated on STN: 19960129
Entered Medline: 19931203
AB Antioxidant delivery may be targeted toward the alveolar epithelium by
encapsulating superoxide dismutase (SOD) and catalase in **liposomes**
made from pulmonary surfactant. We studied whether antioxidant-surfactant
liposomes increase cellular antioxidant activity in alveolar type
II cells and whether this effect is influenced by the presence of
surfactant protein A (SP-A). Cu,Zn SOD and catalase were encapsulated in

liposomes made from synthetic phospholipids with or without 5% SP-A or from natural cow surfactant. Alveolar type II cells from adult rats were preincubated for 20 h, and **liposome** mixtures were added for 24 h, followed by measurement of cellular SOD and catalase activities (U/mg DNA). Antioxidant-surfactant **liposomes** increased alveolar type II cell antioxidant activity sharply. Uptake of SOD/catalase from **liposomes** with synthetic phospholipids and SP-A was twice that from **liposomes** without SP-A and did not further improve in the presence of SP-B and -C. Encapsulation of antioxidants diminished the surface activity of the surfactant **liposomes**, but this feature was absent in the presence of SP-A. These data suggest that: 1) antioxidant-surfactant **liposomes** augment alveolar type II cell antioxidant activity, 2) liposomal uptake is facilitated by the presence of SP-A, and 3) inhibition of surface activity of surfactant by encapsulated antioxidants can be reversed by SP-A.

L7 ANSWER 22 OF 26 MEDLINE DUPLICATE 7
 AN 92184669 MEDLINE
 DN 92184669 PubMed ID: 1544873
 TI The protective role of glutathione, cysteine and vitamin C against oxidative DNA damage induced in rat kidney by potassium bromate.
 AU Sai K; Umemura T; Takagi A; Hasegawa R; Kurokawa Y
 CS Division of Toxicology, National Institute of Hygienic Sciences, Tokyo.
 SO JAPANESE JOURNAL OF CANCER RESEARCH, (1992 Jan) 83 (1) 45-51.
 Journal code: 8509412. ISSN: 0910-5050.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199204
 ED Entered STN: 19920424
 Last Updated on STN: 20000303
 Entered Medline: 19920410
 AB The roles of glutathione (GSH), cysteine, vitamin C, **liposome** -encapsulated **superoxide dismutase** (L-SOD) and vitamin E in preventing oxidative DNA damage and cytotoxicity in the rat kidney after administration of potassium bromate (KBrO3) to male F344 rats were investigated by measuring 8-hydroxydeoxyguanosine (8-OH-dG), an oxidative DNA product, lipid peroxidation (LPO) levels and relative kidney weight (RKW). Combined pre- and posttreatment of animals with 2 x 800 mg/kg GSH i.p. inhibited the increase of 8-OH-dG, LPO levels and RKW caused by 80 mg/kg KBrO3 i.p. administration. In contrast, pretreatment with 0.3 ml/kg diethylmaleate (DEM) i.p., a depletor of tissue GSH, was associated with elevation of 8-OH-dG, LPO levels and RKW after a 20 mg/kg KBrO3 i.p. treatment, which itself caused no change. Administration of KBrO3 itself reduced renal non-protein thiol levels, but this was inhibited by the two doses of exogenous GSH. Combined treatment with DEM and KBrO3 lowered the non-protein thiol level in the kidney more than did DEM treatment alone. Protective effects against the oxidative damage caused by KBrO3 were also observed for pre- and posttreatment with 400 mg/kg cysteine i.p., another sulfhydryl compound, and daily i.g. application of 200 mg/kg vitamin C for 5 days. However, no influence was evident after pre- and posttreatment with 18,000 U/kg L-SOD i.p. or daily i.g. 100 mg/kg of vitamin E for 5 days. The results suggest that intracellular GSH plays an essential protective role against renal oxidative DNA damage and nephrotoxicity caused by KBrO3.

L7 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:443554 CAPLUS
 DN 115:43554
 TI Method of in vivo delivery of functional foreign genes
 IN Brigham, Kenneth L.
 PA Vanderbilt University, USA
 SO PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9106309	A1	19910516	WO 1990-US5993	19901018
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2044593	AA	19910504	CA 1990 2044593	19901018
	AU 9066456	A1	19910531	AU 1990-66456	19901018
	AU 625013	B2	19920625		
	EP 452457	A1	19911023	EP 1990-916560	19901018
	EP 452457	B1	19970820		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 04502772	T2	19920521	JP 1990-515602	19901018
	JP 3056782	B2	20000626		
	AT 157012	E	19970915	AT 1990-916560	19901018
	EP 800830	A2	19971015	EP 1997-107677	19901018
	EP 800830	A3	19990317		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5676954	A	19971014	US 1995-437213	19950508
PRAI	US 1989-431552	A	19891103		
	EP 1990-916560	A3	19901018		
	WO 1990-US5993	A	19901018		
	US 1991-678027	A1	19910401		
	US 1992-919083	A1	19920723		

AB A method of expressing a foreign gene in cells of a mammalian organ in vivo involves injecting the gene in a cationic **liposome** into the mammal and activating gene expression. Mice were injected i.v. with a chimeric mouse metallothionein promoter-human somatotropin gene complexed with Lipofection.RTM.. The mice were given 5000 ppm ZnSO4 in their drinking water. Somatotropin was produced in the lungs, but not in the kidneys or liver. Peak gene expression occurred 3 days post transfection.

L7 ANSWER 24 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1990:314716 BIOSIS
 DN BA90:33683
 TI **LIPOSOME**-MEDIATED AUGMENTATION OF ANTIOXIDANT DEFENSES IN FETAL RAT PNEUMOCYTES.
 AU TANSWELL A K; OLSON D M; FREEMAN B A
 CS DIV. NEONATOL., HOSP. SICK CHILD., 555 UNIVERSITY AVE., TORONTO, ONT. M5G 1XG, CAN.
 SO AM J PHYSIOL, (1990) 258 (4 PART 1), L165-L172.
 CODEN: AJPHAP. ISSN: 0002-9513.
 FS BA; OLD
 LA English
 AB Cultured pneumocytes, prepared from fetal rat lung, are growth inhibited and have increased lactate dehydrogenase release and prostaglandin synthesis in response to 50 and 95% O2 exposure. The uptake of cationic **liposomes** by these fetal cells is more rapid and extensive than is

the case with cultured adult pneumocytes. Protection of fetal pneumocytes against the cytotoxic effects of 50 ro 95% O2 by **liposome** -entrapped antioxidant enzymes requires a **liposome** phospholipid concentration of only 1 nmol/cm2, compared with 45 nmol/cm2 for adult cells, which is a cytotoxic phospholipid concentration for the fetal cells. Despite this capacity of low concentrations of **liposomes** containing superoxide dismutase and catalase to increase endogenous antioxidant enzyme content, and to protect against cell death, such treatment does not attenuate O2-mediated alterations of cell growth or prostaglandin release. Inhibition of pneumocyte DNA synthesis, by elevated

O2 concentrations, cannot be attributed to an autocrine effect of enhanced prostaglandin synthesis, because the addition of 50 .mu.M ibuprofen to inhibit prostaglandin synthesis does not prevent O2-mediated effects on DNA synthesis.

L7 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2002 ACS

AN 1990:546032 CAPLUS

DN 113:146032

TI Nonan peptide thymic serum factor derivatives as antiaging drugs

IN Awaya, Akira; Kobayashi, Akira; Ishizuka, Yusaku; Abe, Hayao; Nomura, Yasuyuki

PA Mitsui Toatsu Chemicals, Inc., Japan; Mitsui Pharmaceuticals, Inc.

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01316328	A2	19891221	JP 1988-145812	19880615

AB The nonan peptide thymic serum factor

pGlu-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn

(I) and its esters or amides (from the carboxyl group of terminal asparagine) or their salts can be formulated as any dosage forms (e.g. injections, **liposomes**, eye drops, suppositories, nasal spray, etc.) to prevent aging and to reactivate cell function. The antiaging effects (including organ **superoxide dismutase** and monoamine oxidase activities and protein, **DNA**, and RNA contents) of I were tested in senescence-accelerated mice. No toxicity was noted

in rats following s.c. injection of I at 30 mg/kg/day for 21 days.

L7 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2002 ACS

AN 1990:92752 CAPLUS

DN 112:92752

TI Inhibition of adenovirus 5 replication in COS-1 cells by antisense RNAs against the viral E1a region

AU Miroshnichenko, O. I.; Ponomareva, T. I.; Tikhonenko, T. I.

CS Inst. Agric. Biotechnol., Moscow, 127253, USSR

SO Gene (1989), 84(1), 83-9

CODEN: GENED6; ISSN: 0378-1119

DT Journal

LA English

AB To study the effect of antisense E1a RNA (asRNA) on adenovirus development, 2 types of adenovirus 5 E1a antisense constructs were engineered. One was complementary to the viral **DNA** region (nt positions 500-720) regulated by the **metallothionein-I** promoter, and the other was complementary to the DNA regions (nt positions

630-1570)

under control of the long terminal repeat Moloney mouse leukemia virus promoter. Both asRNA constructs were cloned into a plasmid containing the simian virus 40 origin of replication, the gene controlling geneticin (G418) resistance (G418R), and other regulatory elements. The COS-1 cells, which contained up to 100 copies of the engineered plasmids, synthesized antiviral asRNAs, which provided 71 to over 95% inhibition of **adenoviral** replication, in comparison to the control cells.

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(FILE 'HOME' ENTERED AT 18:59:32 ON 12 SEP 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:59:48 ON 12 SEP 2002

L1 2324 S (DNA OR NUCLEIC(W)ACID OR
POLYNUCLEOTIDE) (8A) (GLUTAMYL(W)TRAN
L2 2519017 S DNA OR NUCLEIC(W)ACID OR POLYNUCLEOTIDE
L3 1162011 S GLUTAMYL(W)TRANSPEPTIDASE OR SUPEROXIDE(W)DISMUTASE OR
METALL
L4 6130 S L2(8A)L3
L5 126587 S ADENVIRUS OR ADENOVIRAL OR LIPOSOME OR LIGAND-DNA
L6 43 S L4 AND L5
L7 26 DUP REM L6 (17 DUPLICATES REMOVED)
L8 3948 S L2(3A)L3
L9 1028 S (DNA OR NUCLEIC(W)ACID OR
POLYNUCLEOTIDE) (3A) (GLUTAMYL(W)TRAN
L10 668 DUP REM L9 (360 DUPLICATES REMOVED)
L11 356825 S (TRANSFECT? OR TRANSFORM?)(5A)CELL
L12 47 S L10 AND L11
L13 47 DUP REM L12 (0 DUPLICATES REMOVED)
L14 1852 S CDNA(6A)L3
L15 1307 S CDNA(3A)L3
L16 202 S L15 AND L11
L17 81 DUP REM L16 (121 DUPLICATES REMOVED)

=> d au ti so 50-81 l17

L17 ANSWER 50 OF 81 MEDLINE DUPLICATE 31
AU Tamura T; McMicken H W; Smith C V; Hansen T N
TI Mitochondrial targeting of glutathione reductase requires a leader
sequence.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 May 24) 222
(3)
659-63.
Journal code: 0372516. ISSN: 0006-291X.

L17 ANSWER 51 OF 81 MEDLINE DUPLICATE 32
AU Negita M; Hayashi S; Yokoyama I; Emi N; Nagasaka T; Takagi H
TI Human **superoxide dismutase cDNA** transfection
and its in vitro effect on cold preservation.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Jan 26) 218
(3)
653-7.
Journal code: 0372516. ISSN: 0006-291X.

L17 ANSWER 52 OF 81 MEDLINE DUPLICATE 33
AU Komada F; Nishiguchi K; Tanigawara Y; Akamatsu T; Wu X Y; Iwakawa S;
Okumura K
TI Effect of transfection with superoxide dismutase expression plasmid on
superoxide anion induced cytotoxicity in cultured rat lung cells.
SO BIOLOGICAL AND PHARMACEUTICAL BULLETIN, (1996 Feb) 19 (2) 274-9.
Journal code: 9311984. ISSN: 0918-6158.

L17 ANSWER 53 OF 81 CAPLUS COPYRIGHT 2002 ACS
AU Tsunetzuka, Yoshio
TI Acceleration of invasion and metastasis in cancer **cells**
transfected with **MT-MMP cDNA**

- SO Kanazawa Daigaku Juzen Igakkai Zasshi (1996), 105(2), 272-286
CODEN: JUZIAG; ISSN: 0022-7226
- L17 ANSWER 54 OF 81 CAPLUS COPYRIGHT 2002 ACS
AU Saitoh, Naoto; Sasagawa, Noboru; Koike, Hisashi; Shimokawa, Masatake;
Sorimachi, Hiroyuki; Ishiura, Shoichi; Suzuki, Koichi
TI Immunocytochemical localization of a full-length myotonin protein kinase
in rat L6 myoblasts
SO Neuroscience Letters (1996), 218(3), 214-216
CODEN: NELED5; ISSN: 0304-3940
- L17 ANSWER 55 OF 81 MEDLINE DUPLICATE 34
AU Atkinson S J; Crabbe T; Cowell S; Ward R V; Butler M J; Sato H; Seiki M;
Reynolds J J; Murphy G
TI Intermolecular autolytic cleavage can contribute to the activation of
progelatinase A by cell membranes.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Dec 22) 270 (51) 30479-85.
Journal code: 2985121R. ISSN: 0021-9258.
- L17 ANSWER 56 OF 81 MEDLINE DUPLICATE 35
AU Takino T; Sato H; Shinagawa A; Seiki M
TI Identification of the second membrane-type matrix metalloproteinase
(MT-MMP-2) gene from a human placenta **cdna** library. **MT**
-MMPs form a unique membrane-type subclass in the MMP family.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 29) 270 (39) 23013-20.
Journal code: 2985121R. ISSN: 0021-9258.
- L17 ANSWER 57 OF 81 MEDLINE DUPLICATE 36
AU Urano M; Kuroda M; Reynolds R; Oberley T D; St Clair D K
TI Expression of manganese superoxide dismutase reduces tumor control
radiation dose: gene-radiotherapy.
SO CANCER RESEARCH, (1995 Jun 15) 55 (12) 2490-3.
Journal code: 2984705R. ISSN: 0008-5472.
- L17 ANSWER 58 OF 81 MEDLINE DUPLICATE 37
AU Li J J; Oberley L W; St Clair D K; Ridnour L A; Oberley T D
TI Phenotypic changes induced in human breast cancer cells by overexpression
of manganese-containing superoxide dismutase.
SO ONCOGENE, (1995 May 18) 10 (10) 1989-2000.
Journal code: 8711562. ISSN: 0950-9232.
- L17 ANSWER 59 OF 81 MEDLINE DUPLICATE 38
AU Odawara F; Kurasaki M; Suzuki-Kurasaki M; Oikawa S; Emoto T; Yamasaki F;
Linde Arias A R; Kojima Y
TI Expression of human metallothionein-2 in Escherichia coli: cadmium
tolerance of **transformed cells**.
SO JOURNAL OF BIOCHEMISTRY, (1995 Dec) 118 (6) 1131-7.
Journal code: 0376600. ISSN: 0021-924X.
- L17 ANSWER 60 OF 81 CAPLUS COPYRIGHT 2002 ACS
IN Kretschmer, Axel; Antonicek, Hortst Peter; Baumgarten, Joerg;
Loebberding,
Antonius; Mielke, Burkhard; Springer, Wolfgang; Stropp, Udo; Struck, Mark
Michael; Biesert, Lothar; et al.
TI Antisense expression vectors and their use in preparation of
HIV-resistant
animal cells for therapeutic uses
SO Ger. Offen., 15 pp.
CODEN: GWXXBX

- L17 ANSWER 61 OF 81 MEDLINE DUPLICATE 39
 AU Deng G; Podack E R
 TI Suppression of apoptosis in a cytotoxic T-cell line by interleukin 2-mediated gene transcription and deregulated expression of the protooncogene bcl-2.
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Mar 15) 90 (6) 2189-93.
 Journal code: 7505876. ISSN: 0027-8424.
- L17 ANSWER 62 OF 81 MEDLINE DUPLICATE 40
 AU Warner B; Papes R; Heile M; Spitz D; Wispe J
 TI Expression of human Mn SOD in Chinese hamster ovary cells confers protection from oxidant injury.
 SO AMERICAN JOURNAL OF PHYSIOLOGY, (1993 Jun) 264 (6 Pt 1) L598-605.
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 a gene residing on human chromosome 21, at the region 21q22 known to be involved in Down's syndrome. The SOD-1 gene and the **SOD-1 cDNA** were introduced into mouse L-cells and human HeLa cells, respectively as part of recombinant plasmids containing the neoR selectable marker. Human and mouse transformants were obtained that expressed elevated levels (up to 6-fold) of authentic, enzymatically active human SOD-1. This enabled us to examine the consequences of hSOD-1 gene dosage, apart from gene dosage effects contributed by other genes residing on chromosome 21. Human and mouse cell clones that overproduce the hSOD-1 had altered properties; they were more resistant to paraquat than the parental cells and showed an increase in lipid peroxidation. The data are consistent with the possibility that gene dosage of hSOD-1

contributes to some of the clinical symptoms associated with Down's syndrome.

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